

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of the claims:

Claim 1-50 (canceled).

Claim 51 (reinstated and presently amended): The A transformed yeast cell comprising a reporter gene under control of a pheromone-responsive promoter, a heterologous G protein-coupled receptor gene, each said gene being under the control of a separate promoter, a mutation in a SCG1/GPA1 gene, and a hybrid G α protein, which heterologous G protein coupled receptor gene ~~of claim 43 which~~ encodes a receptor selected from the group consisting of a β 2 adrenergic receptor, an α 2-adrenergic receptor, a 5HT-1A receptor, a muscarinic acetylcholine receptor, a growth hormone releasing factor receptor and a somatostatin receptor.

Claim 52-58 (canceled).

Claim 59 (previously presented): A transformed yeast cell comprising a reporter gene under the control of a pheromone-responsive promoter, a gene encoding a heterologous G protein-coupled receptor, each said gene being under the control of a separate promoter, a mutation in SCG1/GPA1 gene, and a hybrid G α protein.

Claim 60 (canceled).